

*Dr. Nesbitt*

# CARLETON UNIVERSITY

## CONVOCATION for the CONFERRING OF DEGREES

*1966*



OTTAWA  
FRIDAY, NOVEMBER 4, 1966



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# ORDER OF PROCEEDINGS

Chancellor C. J. MACKENZIE, C.M.G., M.C., F.R.S., presiding

PROCESSIONAL MUSIC: Gaudeamus Igitur.....Traditional  
The Carleton University Choral Society, directed by Brian Law, F.R.C.O., L.R.A.M.

O CANADA

INVOCATION by James M. Thompson, M.A., *Associate Professor of Philosophy*

ADDRESS OF THE PRESIDENT AND VICE-CHANCELLOR  
A. D. DUNTON, LL.D., D.Sc.

CONFERRING OF DEGREES BY EXAMINATION

THE CARLETON UNIVERSITY CHORAL SOCIETY

Three Folk Songs from the British Isles

The Ash Grove.....arr. Dunhill

O Waly, Waly.....arr. Cashmore

Dance to Your Shadow.....arr. Johnson

CONFERRING OF THE DEGREE OF DOCTOR OF LAWS *honoris causa* upon  
WILFRID EGGLESTON, B.A., M.B.E.  
*Professor Emeritus*

CONVOCATION ADDRESS  
WILFRID EGGLESTON

GOD SAVE THE QUEEN

RECESSIONAL MUSIC  
Trumpet Tune and Air.....Purcell

●—The President's Reception for participants and their friends will be held after the Convocation, in the University Union.

# RECIPIENTS OF DEGREES

## DOCTOR OF PHILOSOPHY

Presented by Professor M. S. Macphail, Dean of the Faculty of Graduate Studies

JOYCE BEARE ROGERS.....	Ottawa.....	Biology
B.A. (Toronto)		"Studies on the Metabolism of Lipids
M.A. (Toronto)		I. Incorporation of Linoleic Acid into
		Lipids of Rat Tissues.
		II. Mechanism of Action of Phospholipase B".
LAURIE STUART WRIGHT.....	Ottawa.....	Physics
B.Sc. (Queen's)		"Studies of the Thermoelectric Powers
M.Sc. (Carleton)		and Resistivities of Dilute Silver Alloys".

## MASTER OF ARTS

Presented by Professor M. S. Macphail, Dean of the Faculty of Graduate Studies

PHYLLIS ANN ANTONIUK.....	Port Arthur, Ont.....	Psychology
B.A. (Western)		"Performance on a Difficult Discrimination Task following Pre-training with Distinctive Stimuli".
JAMES E. BRITTEN.....	Ottawa.....	Public Administration
B.A. (St. Mary's)		"The Creation of the National Energy Board".
B.Comm. (Ottawa)		
ROBIN BRUCE BURNS.....	Montreal, Que.....	History
B.A. (Loyola)		"D'Arcy McGee and the New Nationality".
MARY MARGARET CAMPBELL.....	Ottawa.....	Psychology
M.B. (St. Andrews, Scotland)		"The Measurement of Semantic Satiation".
Ch.B. (St. Andrews, Scotland)		
HILDEGARD GERTRUD CORBET.....	Tübingen, Germany.....	Psychology
B.A. (Carleton)		"Stimulus familiarization prior to paced verbal paired-associates learning".
GAD CZUDNER.....	Galil, Israel.....	Psychology
B.A. (Windsor)		"Simple reaction time in schizophrenic, retarded, and normal children under regular and irregular preparatory interval conditions".
GEORGE BRUCE DOERN.....	Winnipeg, Man.....	Public Administration
B.Comm. (Manitoba)		"The Role of Interdepartmental Committees in the Policy Process".
HANS GEORGE DUTZ.....	Ottawa.....	Public Administration
M.Sc. (Iowa State)		"Collective Bargaining for Professional Engineers in the Canadian Civil Service".
PERRY RAND DYCK.....	Edmonton, Alta.....	Political Science
B.A. (Alberta)		"The Canada Labour (Standards) Code: The Evolution of a Law".
HUGH ALAN HALLIDAY.....	Fairfax, Man.....	Political Science
B.A. (Manitoba)		"Social Credit as a National Party in Canada".

- GERALD ALLAN HALLOWELL.....Orona, Ont.....History  
B.A. (Toronto) "Prohibition in Ontario, 1921-1923".
- EDWARD JOSEPH HALTRECHT.....Montreal, Que.....Psychology  
B.A. (Carleton) "Monitoring Eye movements of Slow and Fast Learners During the Acquisition of Paired-Associates".
- EVELYN MARY HARVEY.....Orleans, Ont.....Canadian Studies  
B.A. (Carleton) "The Indefatigable Inditer—The Rev. Jacob Bailey, 1731-1808".
- STANLEY WILLIAM HORRALL.....Ottawa.....History  
B.A. (Toronto) "Canada and the Irish Question: A Study of the Canadian response to Irish Home Rule, 1882-1893".
- DAVID JOHN HUNDEN.....Ottawa.....History  
B.A. (British Columbia) "Manpower Mobilization in the First World War".
- GEORGE CHARLES INGRAM.....Port Dover, Ont.....Canadian Studies  
B.A. (Toronto) Degree by course work.
- KHALID JAWED.....Lahore, W. Pakistan ....Public Administration  
B.A. (Lahore) "Degree by course work".
- MANTHRIE G. KARIYAWASAM.....Keradewala, Ceylon.....Political Science  
B.A. (Ceylon) "The Language Problem and National Unity in Ceylon".  
B.J. (Carleton)
- JOHN PATRICK KENNEDY.....London, England.....Public Administration  
B.Sc. (Hull University) Degree by course work.  
Diploma in Pub. Admin. (Manchester)
- RICHARD PAUL KIRBY.....Ajax, Ont.....Political Science  
B.Comm. (Toronto) "Tito and Khrushchov: Accord and Discord".
- DALIA KVIETYS.....Toronto.....Sociology  
B.A. (Toronto) "The Correlates of Change in College Drinking Patterns".
- WILLIAM MATHESON.....London, Ont.....Political Science  
B.A. (Dalhousie) "Crown Corporations and Responsible Government".  
M.B.A. (Western)
- BRIAN W. G. MARLEY-CLARKE.....Port Cartier, Que.....Public Administration  
B.Comm. (Sir George Williams) "The Policy and Administration of the Municipal Grants Act, 1951, as Amended".
- JANE MARGARET MARTIN.....Montreal, Que.....Canadian Studies  
B.A. (Bishop's) "F.R. Scott".
- ELIZABETH ANN MATTHEWS.....Windsor, Ont.....History  
B.A. (Windsor) "Meighen and the West: 1921-26".
- JOHN RICHARD O'DONNELL.....Ottawa.....Public Administration  
B.A. (Queen's) "The Twenty-Sixth Canadian House of Commons: A Roll Call Study".
- SHEILA STEWART PARK.....Toronto.....English  
B.A. (Western Ontario) "Susanna Moodie and the Literary Garland".
- RICHARD WESLEY PHIDD.....Morant Bay, Jamaica, W.I...Public Administration  
B.A. (Sir George Williams) "Development Administration: Its meaning and Its Application in the Developing Countries".  
D.P.A. (Carleton)

DON B. ROGERS.....	Toronto.....	Political Science
B.A. (Toronto)		"The Press and the Political Process in Canada—A Case Study of the 1965 Election Campaign".
GRAEME W. STARR.....	Sydney, Australia.....	Public Administration
B.A. (Sydney)		"Parliamentary Leadership in Australia—The Liberal Party".
JAMES DOUGLAS THWAITES.....	Toronto.....	History
B.A. (Toronto)		"The International Association of Machinists in Canada: to 1919".
MICHAEL VICKERS.....	Toronto.....	Political Science
B.A. (Western Ontario)		"The Nigerian Federal Election of 1964-65".
VINCENT S. WILSON.....	Carenage, Trinidad, B.W.I..	Public Administration
D.P.A. (Carleton)		"The Growth of Scientific Research in Canada: Its Implications for a National Forest Policy and the Planning of Federal Forestry Research".
B.Sc. (British Columbia)		
LINDA RAE WRIGHT.....	Ottawa.....	English
B.A. (Carleton)		"Symbolism in the Novels of Iris Murdoch".

## MASTER OF SCIENCE

Presented by Professor M. S. Macphail, Dean of the Faculty of Graduate Studies.

ALFRED SHUN-YUEN CHAU.....	Vancouver, B.C.....	Chemistry
B.Sc. (U.B.C.)		"Some Transformation of Diterpene Acids".
BARBARA ROWE GORDON.....	Ottawa.....	Biology
B.A. (Toronto)		"Patterns of egg production in mated and unmated females, and the utilization of stored sperm in mated females of <i>Oncopeltus fasciatus</i> (Dallas)".
DAVID ALLEN KLINGSPOHN.....	Trenton, Ont.....	Physics
B.Sc. (Queen's)		"Energy Bands in AuSn".
JOHN KENNETH LEWIS.....	Ottawa.....	Chemistry
B.Sc. (Carleton)		"On Avoided Crossings in the Potential Energy Curves of Diatomic Molecules and the Perturbation they Cause".
MOTIHALLI R. NANJAPPA.....	Mysore, India.....	Mathematics
M.Sc. (Bangalore, India)		Degree by course work.
ERNEST SMALL.....	Ottawa.....	Biology
B.Sc. (Carleton)		"Chromosomal and Morphological Variation in <i>Epilobium latifolium</i> L".
WING HING WONG.....	Kowloon, Hong Kong.....	Chemistry
B.Sc. (Tien-Tsin, China)		"A Theoretical Study of Szilard-Chalmers Reactions in Metal-Organic Crystals".



ALBERT IN CHE YANG.....	Hsinchu, Taiwan, China.....	Chemistry
B.Sc. (Taiwan)		"Nuclear Recoil Reactions in Cyclopentadienylmanganese Tricarbonyl and Methylcyclopentadienylmanganese Tricarbonyl".

## MASTER OF ENGINEERING

Presented by Professor M. S. Macphail, Dean of the Faculty of Graduate Studies

ARTHUR CHARLES HAYDEN.....	Ottawa.....	Mechanical
B.Eng. (Carleton)		"Automobile Handling and Stability".
CRAIG C-S. HUNG.....	Hong Kong.....	Electrical
B.Sc. (Queen's)		"Automated Wide Band Amplifier Design".
WILLIAM WAYNE IRWIN.....	Ottawa.....	Civil
B.Eng. (Carleton)		"The Effect of Frost Action on Lightly Loaded Footings".
MOHAMMED TAWHIDUL ISLAM.....	Dacca, E. Pakistan.....	Mechanical
B.Sc. (Pakistan U. of Eng. and Technology)		"Analysis of a Radially Symmetrical Building Frame".
ROBERT KENEDI.....	Ottawa.....	Electrical
Diploma Elec. Eng. (Budapest)		"A Program for the Analysis of Large Sequential Switching Circuits".
Grad. Diploma Eng. (McGill)		
ANDREW DAVID MILLER.....	Ottawa.....	Electrical
B.A.Sc. (Toronto)		"Design of An Optimum Pulse Generator".
B.Comm. (Carleton)		
ROBERT ANDREW THOMPSON.....	Trenton, Ont.....	Mechanical
B.Eng. (Carleton)		"Investigation of Thermoelastic Damping in a Vibrating Cantilever Beam".
VICTOR ALBERT WEHRLE.....	Selkirk, Man.....	Aeronautical
B.Sc. (Manitoba)		"A Study of the Structure and Behavior of the Fluid Core Generated by a Rotating Disk".

## BACHELOR OF ARTS

Presented by Professor D. M. L. Farr, Dean of the Faculty of Arts

### BACHELOR OF ARTS (with Honours)

ROGER JOSEPH AUBREY.....	Ottawa.....	(High Second Class Honours in French and German)
FREDRIC GAFFEN.....	Ottawa.....	(Second Class Honours in History)
ROBERT JOHN MOORE.....	Ottawa.....	(High Second Class Honours in Psychology)
JAMES RALPH SELDON.....	Durham, North Carolina...	(Second Class Honours in Economics)

### BACHELOR OF ARTS

ALLAN DAVID ALTER.....	Toronto	SANDRA RAE BELL.....	Willowdale, Ont.
CATHERINE VERITY ANDERSON.....	Aylmer East, Que.	PATRICIA ANN BERNDT.....	Kingston, Ont.
DONALD FRASER ARNOLD.....	Ottawa	DOUGLAS LLOYD BIBBY.....	Guelph, Ont.
NICHOLAS BALKE.....	Ottawa	BONEVA MARY BLAIR.....	Ottawa
RANDALL BANNISTER.....	Toronto	WILLIAM ROBERT BOWER.....	Ottawa
PHILIP DOUGLASS GRAHAM BARBER.....	Ottawa	WILLIAM JOHN BRADLEY.....	Deep River, Ont.
NICHOLAS ANTHONY BARILLARO		JAMES BRECKENRIDGE.....	Ajax, Ont.
	Niagara Falls, Ont.	MARGARET ELIZABETH F. BROWN..	Montreal, Que.
ANITRA MAIJA BEIKMANIS.....	Toronto	RITA DAPHNE BROWNING.....	Ottawa

CRAIG CALLAN-JONES.....Ottawa  
 GERALD CHARLES CAMERON.....Ottawa  
 INGRID BRIGITTE CHRISTLMEIER...Cornwall, Ont.  
 NEIL FREDERICK CRAGG.....Cornwall, Ont.  
 EDWARD JAMES CROSS.....Caughnawaga, Que.  
 CLAUDIA CUNNINGTON.....Ottawa  
 ROBERT J. MARJERRISON DAFOE .Brockville, Ont.  
 PAUL THOMAS DERBY.....Ottawa  
 JOSEPH JEAN DESJARDINS.....Hawkesbury, Ont.  
 ROBERT KEITH DICKENSON.....Brockville, Ont.  
 ROBIN ADRIAN DORRELL.....Ottawa  
 DIANE PATRICIA DUFFELL.....Ottawa  
 LYNNE BARBARA EDSE.....Ottawa  
 DAVID STEWART ELLIOTT.....Renfrew, Ont.  
 DONALD JAMES CATHRO ELLIOTT

#### Niagara-On-The-Lake, Ont.

ROBERT GRAHAM EMERSON.....Ottawa  
 FRANCES JANE ERICHSEN.....Aylmer East, Que.  
 ROBERT ALFRED FAIRWEATHER.....Ottawa  
 BRUCE NORRIS FINK.....Ottawa  
 SU PHIN FONG.....Sarawak, Malaysia  
 KITTY YIM KOON FUNG

#### Causeway Bay, Hong Kong

JACQUELINE DONALDA GELLING.....Ottawa  
 PETER MALCOM GOLD.....St. Laurent, Que.  
 THOMAS PATRICK GORMAN.....Ottawa  
 DAVID RODNEY GREGORY.....Pembroke, Ont.  
 ROGER WILLIAM HACKER.....Ottawa  
 NEVILLE STANLEY HAMILTON.....Ottawa  
 WINIFRED ELIZABETH HANAFI.....Ottawa  
 BERNARD JAMES DWIGHT HARPER .Renfrew, Ont.  
 KATHY MAURY HAYCOCK.....Ottawa  
 ALLEN ROGER HEATH.....Ottawa  
 EDWARD HELEN C. HEIGHINGTON.....Ottawa  
 ROSS ERVIN HENNIGER.....Smith's Falls, Ont.  
 JUDITH ESTHER HOLLANDER.....Ottawa  
 KEITH BERNARD HOLLEBONE.....Ottawa  
 KENNETH ALBERT HUBERT.....Pembroke, Ont.  
 KAM-PING HUI.....Hong Kong  
 GABRIEL JONES.....Ottawa  
 AITA KALLAS.....Cote St. Luc, Que.  
 JAYNE POWIS KELLEY.....Beaconsfield, Que.  
 BRENDA MAY KNOWLTON.....Ottawa  
 SHEILA MONA KOFFMAN.....Ottawa  
 JOAN MEGAN KRANTZBERG.....Ottawa

HERBERT JAMES CUNNINGHAM LAW.....Ottawa  
 RICHARD DOUGLAS LAZORKA.....Ottawa  
 CLIFFORD RANDOLPH LEBRUN.....Hull, Que.  
 SANDRA JEAN LENNING.....Ottawa  
 WILDA EVELYN LOSSING.....Ottawa  
 DIANA CLARE LOUIS.....Montreal, Que.  
 LINDA LUI.....Taiwan, China  
 MARY DIANE MACINNES.....Ottawa  
 MARGARET SCOTT MAHAFFY.....Ottawa  
 GEORGE MICHAEL MALTBY.....Toronto  
 IAN EDGAR HAYES MARSHALL...Kingston, Ont.  
 JOHN PAUL WAYNE MCCARTNEY.....Toronto  
 GEORGE PATRICK McDONALD.....Ottawa  
 (with distinction)

RUTH JANE McMILLAN.....Ottawa  
 ANDRE MCNICOLL.....Ottawa  
 MARION ANNE MCNUTT..Sault Ste. Marie, Ont.  
 RONALD HUGH MCRAE.....Ottawa  
 LESLIE JAN MILLER.....Ottawa  
 ROBERT JAMES NEWELL.....Springfield, Ont.  
 HONOR GARLAND NIVIN.....Toronto  
 CHARLES PATRICK O'BRIEN.....Ottawa  
 JOSEPH JOHN PARCHELO.....Vancouver, B.C.  
 PATRICIA ANNE PARK.....Don Mills, Ont.  
 KENNETH HARVEY PAYNE.....Kingston, Ont.  
 BRUCE FRANK RICE.....Kingston, Ont.  
 SHARYN ELIZABETH RINGLER...North Bay, Ont.  
 VERA HOPE ROBINSON.....Ottawa  
 FRANCES ANN ROGERS.....Ottawa  
 SHELDON ROTENBERG.....Toronto  
 PATRICK NEIL RYAN.....North Bay, Ont.  
 CAROL MARGARET SANDERSON.....Ottawa  
 SANDRA BARBARA SMART.....Ottawa  
 JILL WINIFRED STEWART...Fort Sill, Oklahoma  
 ANTHEA MARY TACKABERRY.....Ottawa  
 JOAN MARY TAILLEFER.....Ottawa  
 HAROLD OSBORNE TANNER.....Vars, Ont.  
 HERBERT RODDA TAYLOR.....Ottawa  
 MORTON CHARLES TAYLOR.....Toronto  
 JACQUES TURCOTTE.....Val Cagne, Ont.  
 C. NEVILLE WELLS.....Ottawa  
 WENDY JEAN WILLIAMS.....Ottawa  
 F. STEPHEN WILSON.....Ottawa  
 PAUL DAVID WISENTHAL.....Montreal, Que.  
 ROY MORLEY WOODBRIDGE.....Ottawa

## BACHELOR OF SCIENCE

Presented by Professor H. H. J. Nesbitt, Dean of the Faculty of Science

### BACHELOR OF SCIENCE (with Honours)

WILLIAM LESLIE WILSON.....Ottawa.....(High Second Class Honours in Chemistry)

### BACHELOR OF SCIENCE

LYALL PERCY BERNDT.....Buckingham, Que.  
 ALLISON JANE CRAIG.....Renfrew, Ont.  
 KENNETH BRINLEY EVANS.....Ottawa  
 ANTHONY C. W. FAN.....Ottawa  
 HOWARD MICHAEL FREEDMAN..Willowdale, Ont.  
 ROBERT ERNEST HINDSON.....Downsview, Ont.

GEORGE WALTER HOLLAND.....Ottawa  
 ROBERT WEIMO LAM.....Sidonio Pais, Macao  
 LOIS LOUISE MCCORRISTON.....Maryland, Que.  
 JOHN GORDON MCGREGOR.....Ottawa  
 EDWARD WILLIAM ORACHESKI.....Ottawa  
 WILLIAM KNOWLTON POTTER.....Ottawa



BRENDA FAITH SCHROEDER.....Ottawa  
MICHEL JOSEPH SCHRYER.....Ottawa

JOAN MARGO VAN ZANT.....Hull, Que.  
NIGEL BERESFORD WEIR.....Ottawa

## BACHELOR OF COMMERCE

Presented by Professor D. M. L. Farr, Dean of the Faculty of Arts

PAUL MILTON BAYCETICH.....Scarboro, Ont.  
ROBERT ALAN CHEADLE.....Toronto  
ALBERT LORNE CUNNINGHAM.....Ottawa  
DONALD BRIAN FARNSWORTH....Cornwall, Ont.  
GERALD JEAN LAUZON.....Kapusking, Ont.  
JACK ERNEST LAW.....Ottawa

BRIAN J. MAY.....Ottawa  
JAMES MILTON PEARS.....East Coulee, Alta.  
WILLIAM MCLEOD RITCHIE.....Toronto  
GILBERT RUGGLES SHOULDICE.....Ottawa  
JOHN STUART ALLAN WILTON..Willowdale, Ont.

## BACHELOR OF JOURNALISM

Presented by Professor D. M. L. Farr, Dean of the Faculty of Arts

SHEILA PATRICIA A. CRUTCHLOW.....Ottawa  
EON FRASER.....Ottawa  
CORBET JOHN LOCKE.....Calgary, Alta.

BRIAN AXEL LUNDELL.....Revelstoke, B.C.  
WALTER JOSEPH MCNINCH.....Kingston, Ont.  
GEORGE BERNARD SOTEROFF....Willowdale, Ont.

## BACHELOR OF ENGINEERING

Presented by Professor John Ruptash, Dean of the Faculty of Engineering

### BACHELOR OF ENGINEERING (CIVIL)

BRUCE MERVIN STANLEY ELLIOTT.....Ottawa

### BACHELOR OF ENGINEERING (ELECTRICAL)

RALPH McRAE BAYLEY.....Ottawa

JEFFREY BARTLETT CONNOCK.....Ottawa

### BACHELOR OF ENGINEERING (MECHANICAL)

GORDON IAN FRASER.....Ottawa  
WILLIAM THOMAS HANCOX.....Ottawa  
GEOFFREY NORMAN KING.....Ottawa

JOHN RICHARD MOXLEY.....Ottawa  
MICHAEL JOHN NITUCH.....Montreal, Que.

## RECIPIENTS OF DIPLOMAS AND CERTIFICATES

Presented by Professor R. O. MacFarlane, Director of the School of Public Administration

### DIPLOMA IN PUBLIC ADMINISTRATION

MICHAEL EDWARD DURHAM, B.Eng. (McGill).....Ottawa  
ANDREW DUNCAN MONKHOUSE, B.Sc.F. (UNB).....Ottawa  
NGELES M. MWAUNGULU, B.A. (Carleton).....Karonga, Malawi  
THOMAS JAMES STEVENS, B.A. (UBC).....Ottawa  
ENOCH DANIEL UDOFIA, B.A. (Carleton).....Etinan, Nigeria

### CERTIFICATE IN PUBLIC SERVICE STUDIES

ZAMIR AHMAD QURESHI.....Ottawa





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